



The ever-increasing global demand for complex technical solutions which enable and enhance today's critical mission capabilities create the necessity for highly capable and integrated systems that seamlessly interoperate in dynamic information centric environments. The demand to rapidly produce and field fully validated systems under budget constrained programs underlies the fundamental need for producers to consistently create innovative and extensible designs which remain cost efficient over the life-cycle of the product.



HART Technologies' Carnivore 3 Middleware delivers an enabling technology which allows system developers to meet and keep pace with the demands for widely distributed integrated solutions. The third generation of HART's discriminating middleware architecture delivers a structured yet highly flexible interface abstraction technology capable of linking multiple dissimilar computing systems and communication sources to form a homogeneous, data-centric environment with deterministic real-time performance and integrated data recording capabilities. **Carnivore 3** provides an advanced cross-platform distributed interface network layer linking both embedded and distributed operational systems and data busses into a managed and highly accessible, data driven architecture.

Carnivore 3 includes out of the box solutions for many complex systems networking and management tasks including network optimization, remote acquisition, data / video recording to support real-time Tactical AAR, diagnostics, and prognostics application. HART Technologies understands that just recording data and video "off the wire" is not enough to meet the dynamics needs of operators and maintainers. Carnivore 3 utilizes a unique XML based interface control specification technique to deliver a **real-time data acquisition of signals by name**, not as packed hex or binary data. This capability provides a highly structured data driven framework which can be easily updated and modified to streamline the testing and deployment of operational and tactical systems.

HART Technologies provides a complete suite of tools which leverage the Carnivore 3 Middleware to streamline the deployment of distributed operational and tactical solutions.

Carnivore Data Analyst leverages the distributed data-sharing mechanism to produce unrivaled user visibility into the transfer of system interface data in real-time or offline. Carnivore Data Analyst integrates seamlessly with Carnivore 3 middleware to provide a portable and extensive capability for recording, data mining, plotting and comparative analysis of information.

Carnivore Advanced Simulation Library (ASE-L) delivers a diverse capability enhancement by providing cross-platform real-time modeling and simulation libraries to augment performance and/or dynamically stimulate physical aspects of a system and its components.

Test Manager 3 is highly functional and cohesive test tool suite supporting interactive and automated test cases to streamline the design, execution and documentation of the system test process. Test Manager accelerates the verification process from initial planning through final validation and life-cycle support for small, large and enterprise wide programs.

ICD Wizard streamlines processes for the development and deployment of enterprise level Interface Control Document (ICD) development, distribution, and analysis. The tool provides an efficient graphical user interface with fully integrated data mining, reporting and version control features. ICD Wizard produces an exportable XML data format with capabilities for automated code generation of C headers, C++ classes and IDL files to seamlessly integrate with Carnivore 3 and a wide variety of development environments.

HART products and services are available via Purchase Order, GSA Schedule 70 or the NAVSEA Seaport e IDIQ Contract.

Contact HART Sales at 703.366.2615 or visit us at www.harttech.com